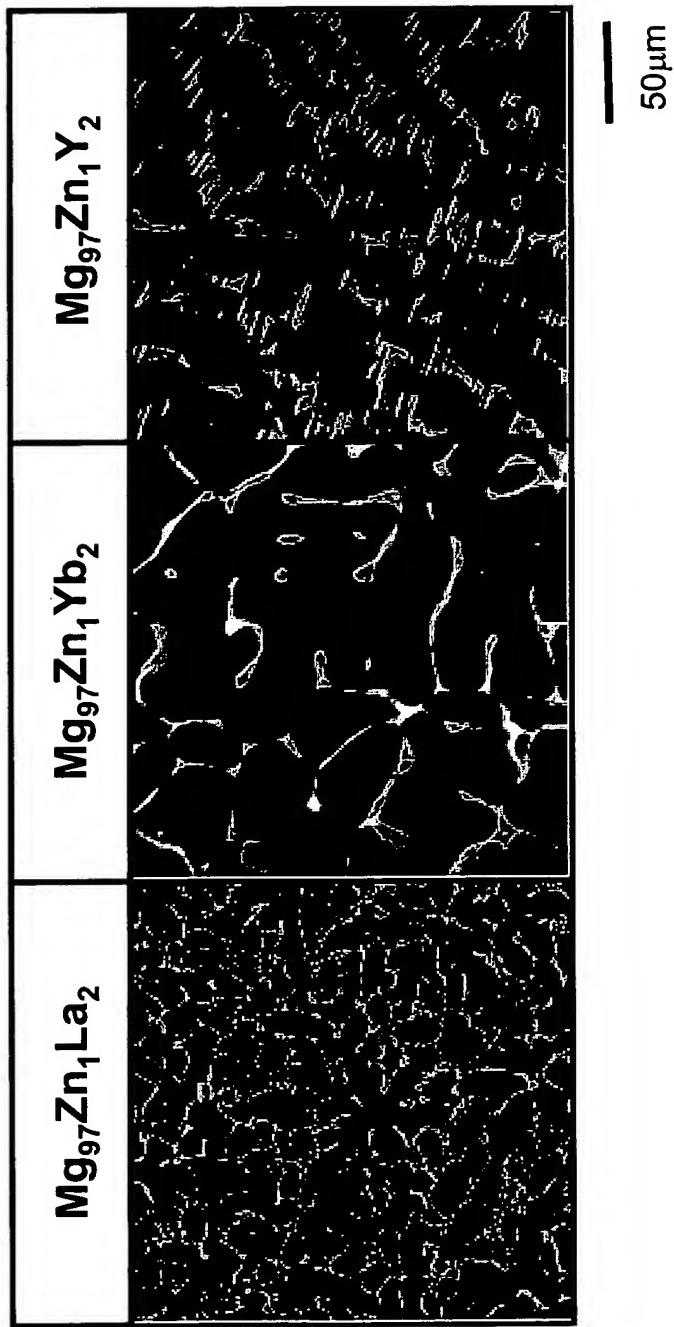
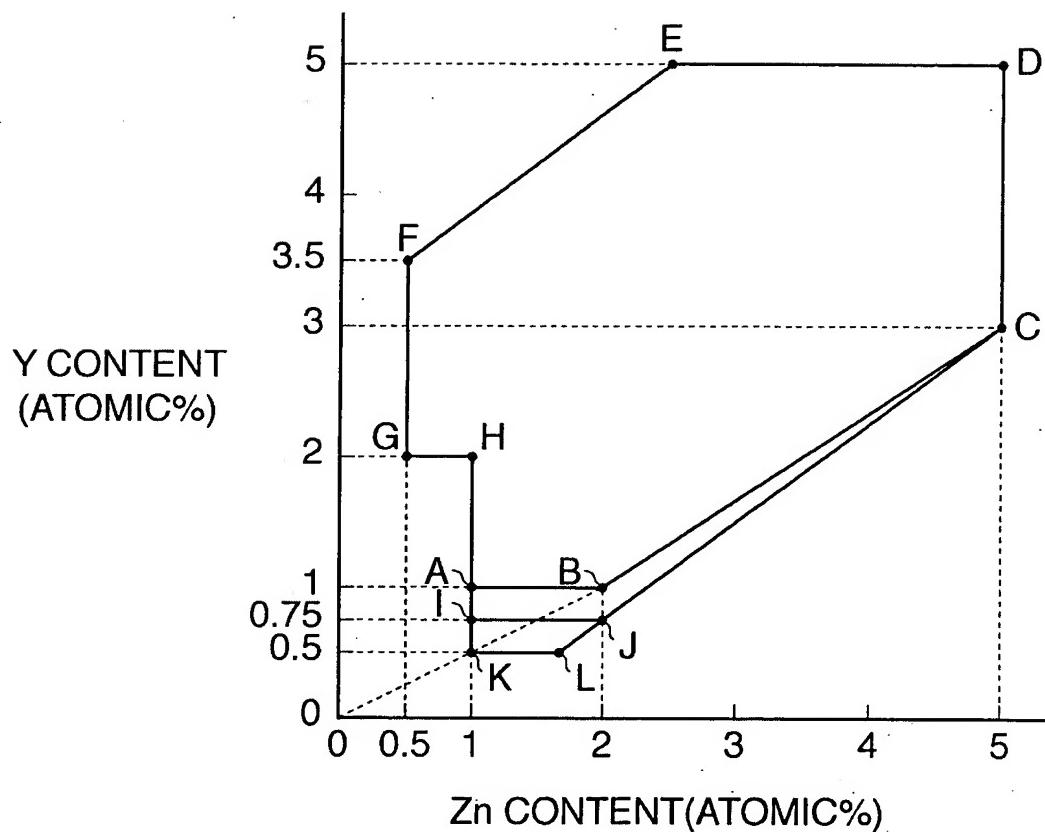


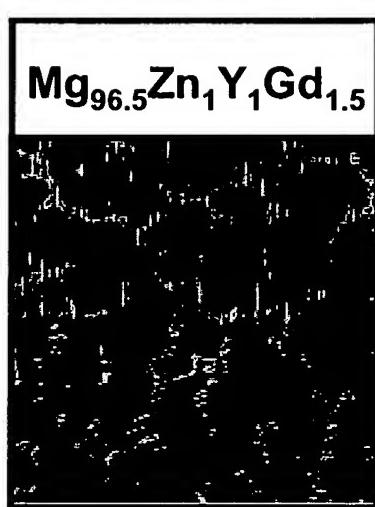
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FIG. 1**Mg₉₇Zn₁RE₂ (La, Yb, Y)**

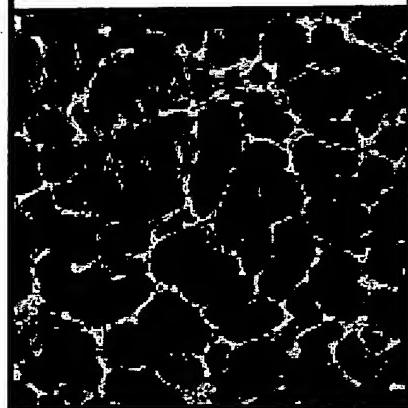
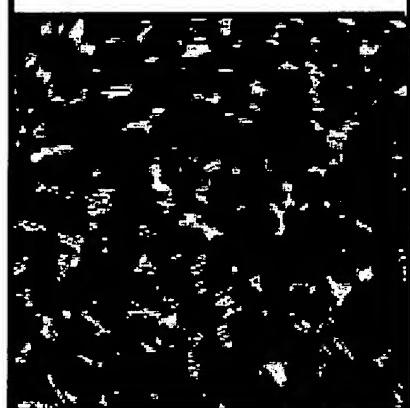
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FIG. 2

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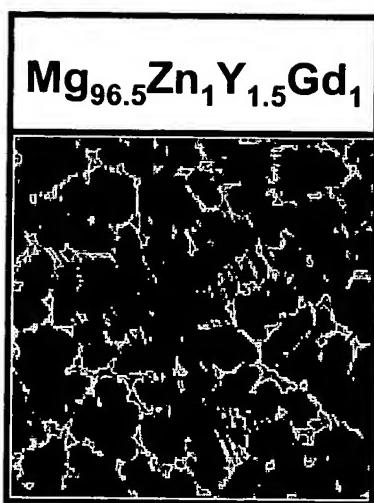
FIG. 3**Mg_{96.5}Zn₁Y₁RE_{1.5}**

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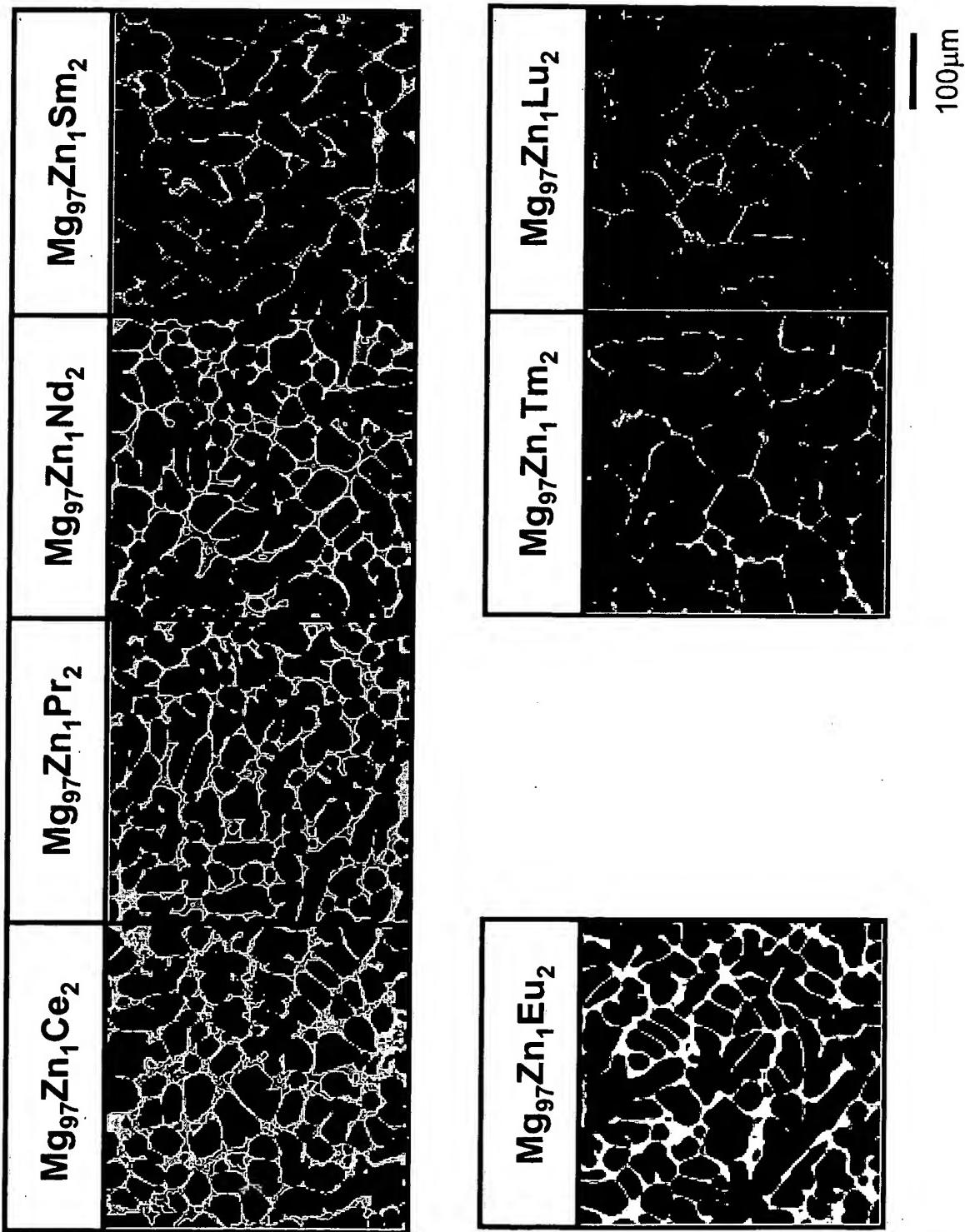
FIG. 4**Mg-Zn-Y-RE(La, Yb)****Mg_{97.5}Zn₁Y₂La_{0.5}****Mg_{97.5}Zn_{0.5}Y_{1.5}Yb_{0.5}**

100μm

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FIG. 5**Mg_{96.5}Zn₁Y_{1.5}RE₁**

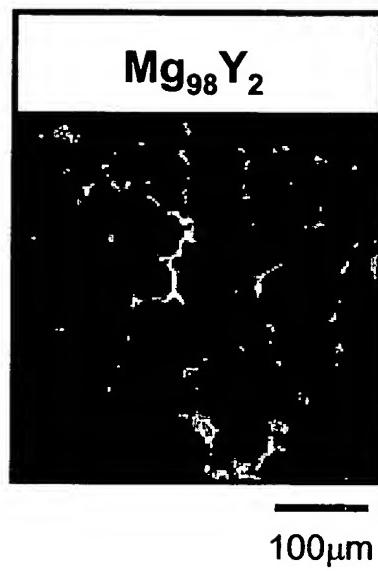
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FIG. 6**Mg₉₇Zn₁RE₂ (NO APPEARANCE OF LPZO)**

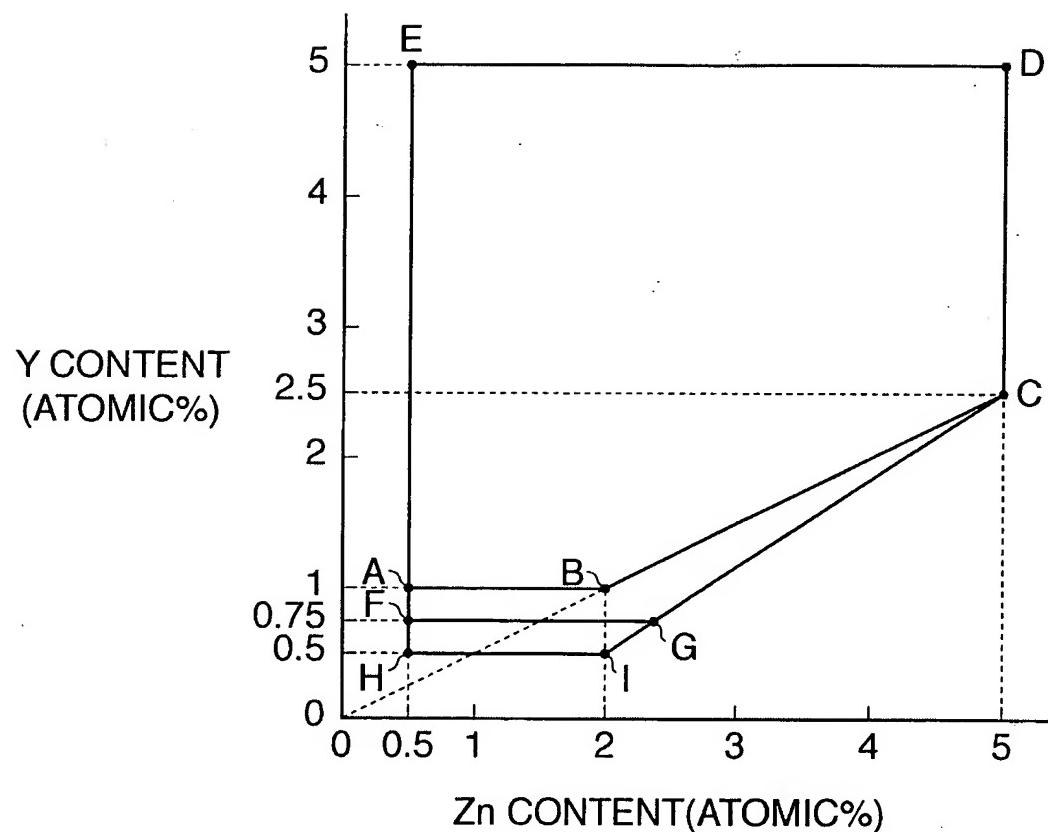
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FIG. 7

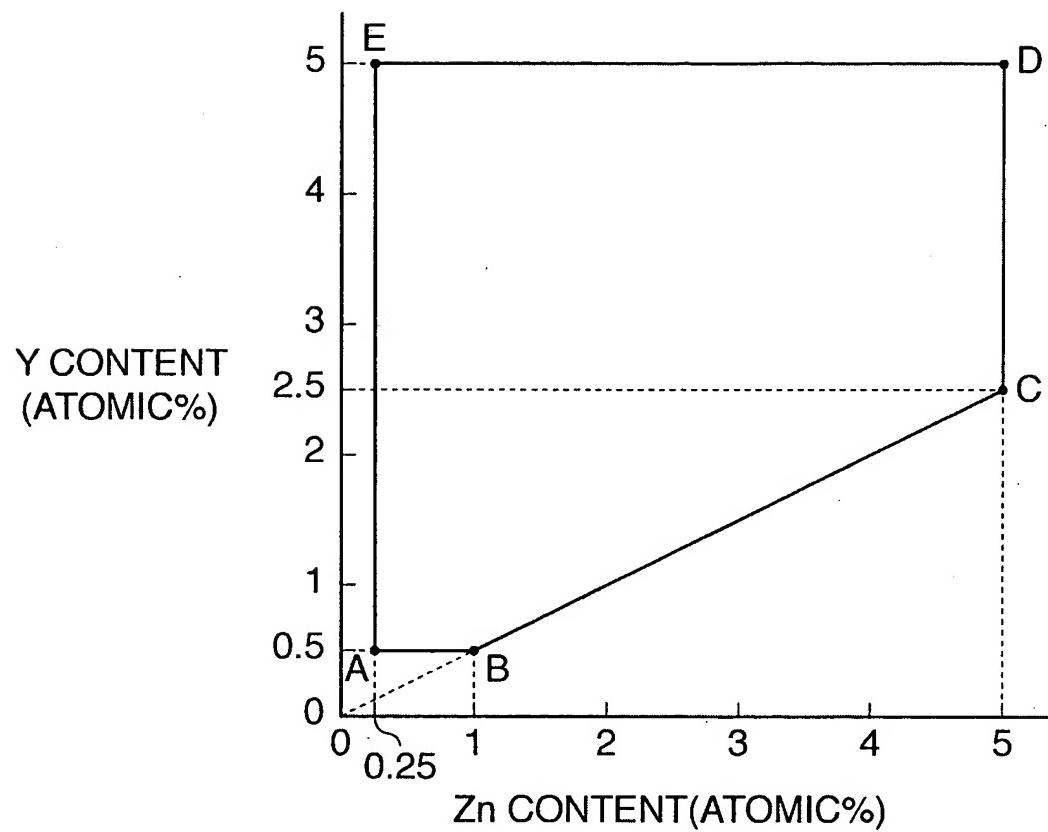
REFERENCE
(Mg-Y binary alloy)



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FIG. 8

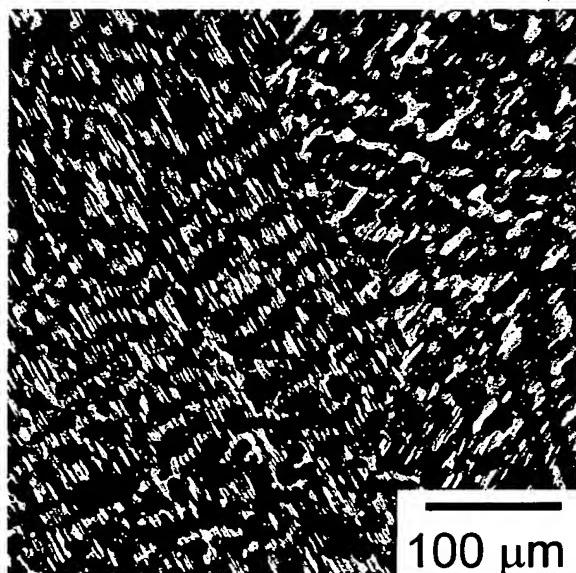
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FIG. 9

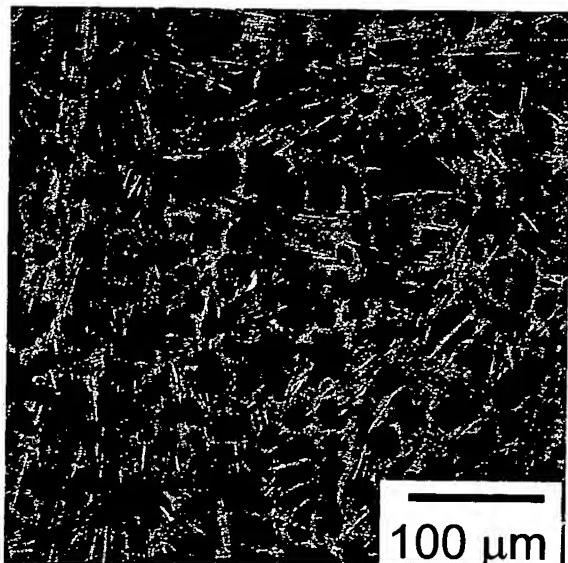
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FIG. 10

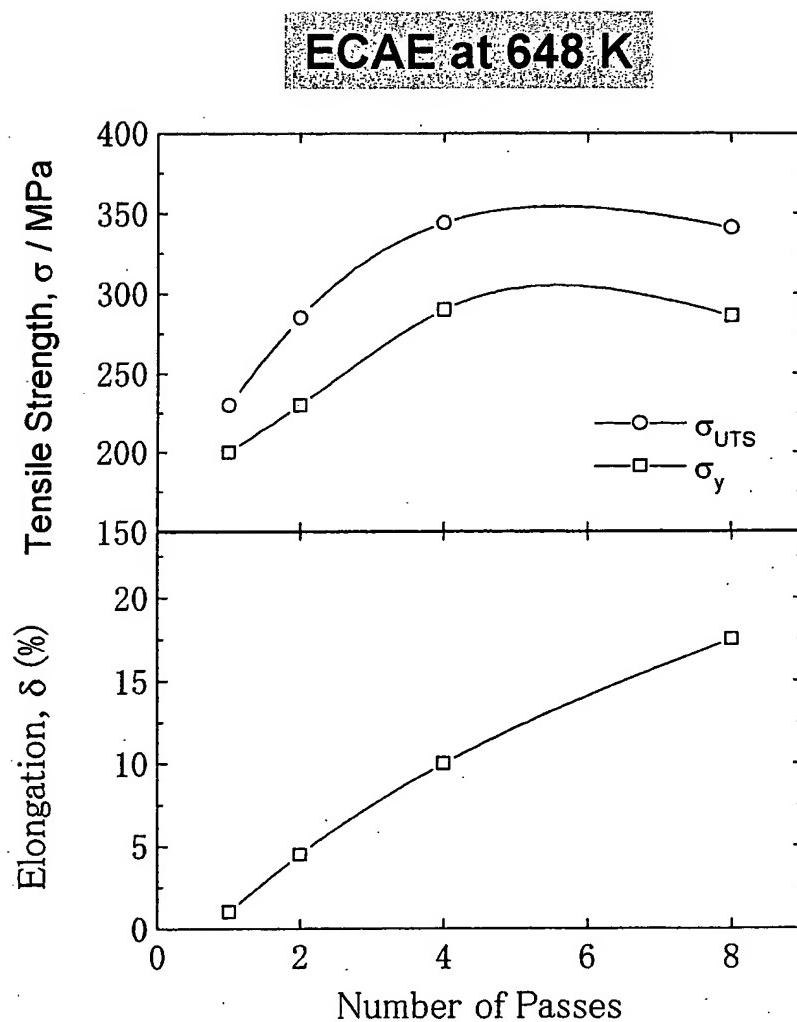
Mg₉₆Zn₁Y₃ as-cast



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FIG. 11**Mg_{93.5}Zn₃Y_{3.5} as-cast**

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FIG. 12

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FIG. 13